

Title (en)  
Frequency discovery and failover

Title (de)  
Frequenzdetektierung und Ausfallsicherung

Title (fr)  
Découverte de la fréquence et traitement de basculement

Publication  
**EP 1429481 B1 20071128 (EN)**

Application  
**EP 03028123 A 20031205**

Priority  
US 31773702 A 20021211

Abstract (en)  
[origin: EP1463343A2] Described is a communication system including wireless client devices. In the described system, the client devices may be wrist-worn watches such as are in common use today, except that the watches are specially configured to receive transmissions from broadcast towers. A client device is associated with one or more home service regions, and is configured to receive personal messages on a home channel when in the home service region. The client device employs a self-assignment method to identify and select a home channel without the need for interaction by a user. A tower discovery method is employed to identify broadcast towers and available channels within a service region. A failover method is employed to identify a change in the broadcast system, and take appropriate action such as, for example, changing to another broadcast tower, selecting another frequency, selecting a sleep mode, as well as others <IMAGE>

IPC 8 full level  
**G08B 5/22** (2006.01); **H03J 1/00** (2006.01); **H04B 1/16** (2006.01); **H04H 60/41** (2008.01); **H04L 12/56** (2006.01); **H04W 48/16** (2009.01); **H04W 72/12** (2009.01); **H04W 84/02** (2009.01); **H04H 20/57** (2008.01); **H04W 4/06** (2009.01); **H04W 24/00** (2009.01); **H04W 36/00** (2009.01); **H04W 48/18** (2009.01); **H04W 52/02** (2009.01); **H04W 72/02** (2009.01); **H04W 99/00** (2009.01)

CPC (source: EP US)  
**H03J 1/0058** (2013.01 - EP US); **H04H 60/41** (2013.01 - EP US); **H04W 48/16** (2013.01 - EP US); **H04W 84/022** (2013.01 - EP US); **H04H 20/57** (2013.01 - EP US); **H04W 4/06** (2013.01 - EP US); **H04W 48/18** (2013.01 - EP US)

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**EP 1429481 A2 20040616**; **EP 1429481 A3 20040811**; **EP 1429481 B1 20071128**; AT E379886 T1 20071215; AT E460821 T1 20100315; DE 60317763 D1 20080110; DE 60317763 T2 20090402; DE 60331630 D1 20100422; EP 1463343 A2 20040929; EP 1463343 A3 20050323; EP 1463343 B1 20100310; JP 2004194339 A 20040708; JP 4098229 B2 20080611; TW 200423590 A 20041101; US 2004116068 A1 20040617; US 2007058678 A1 20070315; US 2007060084 A1 20070315; US 7043214 B2 20060509; US 7403754 B2 20080722; US 7746885 B2 20100629

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